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AUG 2 6 2005

Deliver to: Kiss, Eric B., USPTO

Art Group: 2192

Facsimile No.: 571-273-3699

Date: August 26, 2005

From: Ashley R. Ott, Reg. No. 55,515

Our Docket No.: 42390P11329

Number of pages 6 including this sheet.

Application No.: 09/552,292

Filing Date: 4/19/2000

Docket Due Date(s): _____

Enclosed are the following documents:

☐ Amendment _____ (___pgs)	☐ Issue Fee Transmittal
☐ Appeal Brief (___pgs)	☐ Notice of Appeal
☐ Application: _____	☐ Petition for: _____
(___pgs) w/cover & abstract)	☐ Request for Continued Examination (RCE)
☐ Assignment & Cover Sheet (___pgs)	☐ Reply Brief (___pgs)
☒ Certificate of Facsimile	☐ Request & Certification Under 35 USC 122(b)(2)(B)(i)
☐ Continued Prosecution Application (CPA)	☐ Request to Rescind Previous Nonpublication Request
☐ Declaration & POA (___pgs)	☐ Response to Notice of Missing Parts & Formalities Letter
☐ Drawings: ___sheets, ___ figures	☐ Response to Written Opinion (___pgs)
☐ Extension of Time: _____	☐ Terminal Disclaimer
☐ Fee Transmittal (in duplicate)	☐ Transmittal of Publication Fee Due
☐ IDS & PTO/SB/08 (pgs)	☐ Transmittal Letter
☒ Other Applicant Initiated Interview Request Form Proposed Amendment to the Claims	

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8A)

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Leah Schwenke   8/26/2005
                    Date

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PTOL-413A (09-04)
Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Applicant Initiated Interview Request Form

Application No.: **09/552,292**   First Named Applicant: **Robison**
Examiner: **Kiss, Eric B.**   Art Unit: **2192**   Status of Application: **Pending/ Non-final Rejection**

Tentative Participants:
(1) **Ashley Ott**   (2) **Eric Kiss**
   (303) 740-1980
(3) _____   (4) _____

Proposed Date of Interview: **08/30/05**   Proposed Time: **11** (AM/PM)

Type of Interview Requested:
(1) [X] Telephonic   (2) [ ] Personal   (3) [ ] Video Conference

Exhibit To Be Shown or Demonstrated: [ ] YES   [X] NO
If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) Rej. – 102(b)	1-6, 10-17	Kukol	[ ]	[ ]	[ ]
(2) Rej. – 112	1-6, 10-17	_____	[ ]	[ ]	[ ]
(3) Proposed Amendment	_____	_____	[ ]	[ ]	[ ]
(4) _____	_____	_____	[ ]	[ ]	[ ]

[X] Continuation Sheet Attached

Brief Description of Arguments to be Presented:

Kukol does not disclose placing operations to eliminate partial redundancies, as recited by claim 1.

An interview was conducted on the above-identified application on _____.
NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).
This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Ashley Ott
Applicant/Applicant's Representative Signature   Examiner/SPE Signature

Ashley Ott
Typed/Printed/Name of Applicant or Representative
55,515
Registration Number, if applicable

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Continuation Sheet: Proposed Amendment to the Claims

1.   (Currently Amended) For a computer-executable program that operates on a data structure, where the data structure must have a required state at selected program points, a computer-implemented method of transforming said program comprising:

     (A)   analyzing the program to determine the state of said data structure at said selected program points;

     (B)   partitioning said determined state at each said program point into components that may each be set separately;

     (C)   determining operations to be inserted into the program in order to set each component of the state at each selected program point based on flow equations for an up-safety and a down-safety of setting the state at each selected program point, wherein the operations assure that the data structure will be in ~~an accurate~~ the required state at the selected program points; and

     (D)   placing said operations to eliminate partial redundancies of said operations.

2.   (Currently Amended) The computer-implemented method of claim 1, wherein the data structure stores items on a first-in-last-out basis.

3.   (Currently Amended) The computer-implemented method of claim 2, wherein the states of the data structure are represented as paths on a tree of nodes where:

     (A) each path traverses the tree towards the root; and

     (B) each node on the path represent a component of the state.

4.   (Currently Amended) The <u>computer-implemented</u> method of claim 2, wherein the data structure represents actions to be taken by the program if an exception occurs.

5.   (Currently Amended) The <u>computer-implemented</u> method of claim 4, wherein the selected program points are the points of execution immediately before instructions that might cause an exception.

6.   (Currently Amended) The <u>computer-implemented</u> method of claim 4, further comprising representing the actions to be taken as exception paths in a graph.

7-9.   (Cancelled)

10.   (Currently Amended) For a computer-executable program that operates on a data structure, where the data structure must have a required state at selected program points, a <u>computer-implemented</u> method of transforming said program comprising:

(A)   analyzing the program to determine the state of an instance of said data structure at said selected program points;

(B)   partitioning said instance of said data structure into components;

(C)   determining a set of one or more operations to be inserted into the program in order to set each component of the state at each selected program point <u>based on flow equations for an up-safety and a down-safety of setting the state at each selected program point</u>, wherein the operations assure that the data structure will be in <s>an accurate</s> <u>the required</u> state at the selected program points;

(D)   computing placement of the set of operations to eliminate partial redundancies; and

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(E)   inserting the set of operations at said program points according to the computed placement.

11.   (Currently Amended) The <u>computer-implemented</u> method of claim 10 wherein the data structure is an exception handling stack.

12.   (Currently Amended) The <u>computer-implemented</u> method of claim 11 wherein the components are a pointer to the exception handling stack and an exception handling data structure.

13.   (Currently Amended) A machine-readable medium having a set of instructions, which when executed by a set of one or more processors, causes said set of processors to perform operations comprising:

(A)   analyzing a program that operates on a data structure, which must have a required state at selected program points in the program, to determine the state of an instance of said data structure at said selected program points;

(B)   partitioning said instance of said data structure into components;

(C)   determining a set of one or more operations to be inserted into the program in order to set each component of the state at each selected program point <u>based on flow equations for an up-safety and a down-safety of setting the state at each selected program point</u>, wherein the operations assure that the data structure will be in ~~an accurate~~ <u>the required</u> state at the selected program points;

(D)   computing placement of the set of operations to eliminate partial redundancies; and

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(E)   inserting the set of operations at said program points according to the computed placement.

14.   (Previously Presented)   The machine-readable medium of claim 13, wherein the data structure stores items on a first-in-last-out basis.

15.   (Currently Amended) The machine-readable medium of claim 14, wherein the states of the data structure are represented as paths on a tree of nodes where:

        (A) each path traverses the tree towards the root; and

        (B) each node on the path represent a component of the state.

16.   (Previously Presented)   The machine-readable medium of claim 14, wherein the data structure represents actions to be taken by the program if an exception occurs.

17.   (Previously Presented)   The machine-readable medium of claim 16, wherein the selected program points are the points of execution immediately before instructions that might cause an exception.

18.   (Cancelled)

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PAGE 6/6 * RCVD AT 8/26/2005 12:48:21 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/28 * DNIS:2733699 * CSID:303 740 6962 * DURATION (mm-ss):01-54